

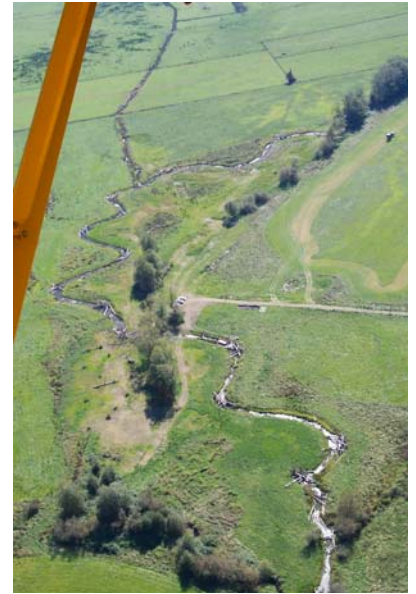
2005 Report of Accomplishments (July '04-June '05)

Jefferson County Conservation District



Natural Resource Improvements in 2005 - Summary

- **Fish and wildlife habitat** has benefited by establishing riparian buffers along 1.9 miles of streambank and improving instream habitat on over 3,000 feet of stream.
- **Water Quality** downstream of agricultural areas has improved in the six watersheds monitored since 1986. Data from our water quality monitoring program indicates that, due to Best Management Practices implemented, fecal coliform bacteria were reduced by 98% in Donovan Creek, 88% in Chimacum Creek, 87% in Snow Creek, 75% in Tarboo Creek, 69% in Salmon Creek and 68% in East Chimacum Creek.
- **Completion of Salmon Creek project.** 2,620 feet of new channel construction, in cooperation with WDFW and North Olympic Salmon Coalition (NOSC). Funded by Salmon Recovery Funding Board (SRFB) & NOSC. 33% increase in available habitat. Habitat quality improved with construction of pools/riffles and large woody debris structures for ESA listed summer chum salmon. 6,000 summer chum adults return to spawn, up from 200 in mid 1980's, due to Wild Olympic Salmon/NOSC/JCCD stock supplementation program.



Aerial view of Salmon Creek project.

Mission of the Jefferson County Conservation District

The Jefferson County Conservation District promotes conservation by providing technical, educational, and financial assistance to landowners, community groups and agencies to protect and improve the natural resources of Jefferson County.

Jefferson County Funding

- **Coordinated a stakeholder-based process to establish parameters for protection of fish and wildlife habitat on agricultural lands in the Chimacum Creek watershed.**
- Presented a workshop series consisting of 5 classes and a farm tour titled "Horses, Livestock and Land" to 67 participants. 38% of participants implemented 1 or more Best Management Practices.
- Developed powerpoint presentations on BMPs for small farms – presented to 3 groups.
- Developed solar powered livestock watering stations on two farms as demonstration/model projects.
- Worked with private forest managers to inform public about timberland aerial spraying operations
- Provided cash match & in-kind support for other grants, as well as administrative expenses.

Water Quality Implementation

- **Provided technical assistance to 8 landowners for salmon habitat and water quality improvement project planning.**
- Assisted NRCS with Environmental Quality Incentives Program, & the Local Work Group process.
- Technical assistance to North Olympic Salmon Coalition (NOSC) resulting in 500 ft. of salmon habitat improvements on Naylor's Creek.
- Participated in WRIA 17 Watershed Planning efforts.
- Published a quarterly newsletter for 1350 recipients about CD water quality and habitat improvement efforts.
- Monitored water quality at 31 stations in 5 watersheds and provided results to agricultural landowners.
- Monitored intra-gravel dissolved oxygen in 2 watersheds to evaluate salmon spawning habitat.
- Monitored water temperature on an hourly basis at 40 stations in 5 watersheds.
- Monitored fish utilization before and after construction of fish habitat improvement projects.

Basic Funding

- **Utilized basic funding for general district operations, such as rent, communications and office supplies.**

Puget Sound/Water Quality

- **Monitored water quality at 31 stations in 5 watersheds and provided results to agricultural landowners.**
- Monitored intra-gravel dissolved oxygen in 2 watersheds to evaluate salmon spawning habitat.
- Monitored water temperature on an hourly basis at 40 stations in 5 watersheds.
- Monitored fish utilization before and after construction of fish habitat improvement projects.
- Provided technical assistance to NOSC for 500 feet of salmon habitat improvements in Naylor's Cr.
- Provided technical assistance to Jefferson Land Trust for their salmon habitat acquisition projects.
- Assisted Jefferson Co. and Hood Canal Coordinating Council with salmon project prioritization.

- Assisted NRCS with Environmental Quality Improvement Program signup, and the Local Work Group
- Participated in WRIA 17 Planning Unit and Jefferson Co. "Chumsortium" meetings.
- Provided technical assistance to Wild Olympic Salmon for installation of fish trap on Salmon Cr. for counting summer chum adults. Evaluated electronic counters to replace adult trap.
- Assisted Chimacum High School hydrology class with water quality monitoring at 10 stations.
- Provided technical assistance to 3 landowners for streambank protection planning.

Professional Engineering

- **Designed a bio-engineered bank armor system to protect several hundred feet of mature riparian shoreline on the Dosiwallips River.**
- Continuing design for a stream sedimentation basin to protect downstream properties and salmon habitat from rapid sediment aggradation on Chimacum Creek.
- Continuing design for a beaver dam leveler near Discovery Bay to maintain fish passage and protect an upstream County road and residences.
- Continuing design for a stream restoration project to enhance salmon habitat and protect nearby homes and roads from streambank erosion.
- Designed several small farm BMPs, including heavy use areas, livestock stream crossings, and livestock watering facilities to protect water quality on Chimacum Creek.

Conservation Reserve Enhancement Program (CREP)

- **Processed 4 new CREP contracts that will buffer 1.9 miles of streambank and total 41.4 acres.**
- Planted over 50,000 trees and shrubs.
- Secured additional contractors to adequately sustain maintenance on buffers.
- Continued to administer 12 contracts that equate to 108 acres and 6.6 miles of streambank.

Livestock/Dairy

- **Provided Technical Assistance to two dairies on Nutrient Management Plan implementation.**
- Attended a three-day training workshop on Confined Animal Feeding Operations planning and assistance.

Watershed Conservation/Habitat Restoration

- **Completed 2,620 feet of new channel construction in Salmon Creek in cooperation with WDFW and NOSC; funded by Salmon Recovery Funding Board (SRFB). 33% increase in available habitat. Habitat quality improved with construction of pools/riffles and large woody debris structures for ESA listed summer chum salmon.**
- Large woody debris added to 400 feet of Naylor's Creek. Funded by NOSC.

Community Collaboration & Coordination

- **Active participation in the "Chumsortium", an ad hoc group of community groups, government agencies and tribes working together on local salmon recovery efforts.**
- Active participation in the WRIA 17 Watershed planning process and Hood Canal Coordinating Council Summer Chum ESU planning and project prioritization processes.

Information & Education

- **Presented a "Horses, Livestock and Land" workshop series consisting of 5 classes and a farm tour to 67 participants. 38% of participants implemented 1 or more Best Management Practices.**
- Monitored and informed public about timberland aerial spraying operations, in cooperation with timber companies.
- Provided 11,000 trees and shrubs to the community through our annual tree sale.
- Distributed 1,350 quarterly newsletters to Jefferson Co. residents.
- Provided classroom presentations and field trips for the WSU Extension "Water Watchers" program.
- Developed powerpoint presentations on BMPs for small farms – presented to 3 groups.
- Developed solar powered livestock watering stations on two farms as demonstration/model projects.



"Horses, Livestock and Land" tour

Washington Conservation Districts assisting land managers with their conservation choices.